

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: July 1, 1992

Date Submitted: June 25, 1992

Project: 7238 & 7201, Metro Self Monitor, PO #M24970

**RESULTS OF ANALYSES OF THE WATER SAMPLES  
FOR SELECTED METALS BY ICP (6010)  
Results Reported as mg/L (ppm)**

<u>Sample #</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M24970A Site 7238	1.7	0.31	7.9	1.5
M24970B Site 7201	1.4	0.65	1.6	2.1
<u>Quality Assurance</u>				
Method Blank	<0.03	<0.03	<0.03	<0.03
M24970B Site 7201 (Duplicate)	1.5	0.76	1.7	2.1
M24970B Site 7201 (Matrix Spike) Percent Recovery	104%	95%	110%	100%
M24970B Site 7201 (Matrix Spike Duplicate) Percent Recovery	105%	97%	112%	100%
Spike Blank Percent Recovery	82%	87%	101%	92%
Spike Level	5	5	10	5

## SAMPLE CHAIN OF CUSTODY

AKC-0013936

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3008-B 16th Avenue West  
Seattle, WA 98119  
FAX: (206) 283-5044

**DUPLICATE COPY**

**INVOICE # 92ACU0701-2**

July 1, 1992

Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Re: Billing for the analyses of the environmental samples  
submitted on June 25, 1992 from Project 7238 & 7201,  
Metro Self Monitor, PO #M24970 and reported to Gerald  
Thompson, Project Leader.

2 water samples analyzed for  
selected metals by ICP @ \$65  
per sample

\$ 130.00

Amount Due .....

\$ 130.00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3008-B 16th Avenue West  
Seattle, WA 98119  
FAX: (206) 283-5044

July 1, 1992

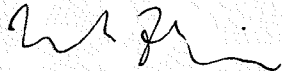
Gerald Thompson, Project Leader  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results of the analyses of the samples submitted on June 25, 1992 from Project 7238 & 7201, Metro Self Monitor, PO #M24970.

We appreciate this opportunity to be of service to you on this project. If you have any questions regarding this material, or if you just want to discuss any aspect of your projects, please do not hesitate to contact me.

Sincerely,



Mark Z Perin  
Chemist

MZP/dp

Enclosures

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: July 1, 1992  
 Date Submitted: June 25, 1992  
 Project: 7238 & 7201, Metro Self Monitor, PO #M24970

### RESULTS OF ANALYSES OF THE WATER SAMPLES FOR SELECTED METALS BY ICP (6010) Results Reported as mg/L (ppm)

<u>Sample #</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M24970A Site 7238	1.7	0.31	7.9	1.5
M24970B Site 7201	1.4	0.65	1.6	2.1
<u>Quality Assurance</u>				
Method Blank	<0.03	<0.03	<0.03	<0.03
M24970B Site 7201 (Duplicate)	1.5	0.76	1.7	2.1
M24970B Site 7201 (Matrix Spike) Percent Recovery	104%	95%	110%	100%
M24970B Site 7201 (Matrix Spike Duplicate) Percent Recovery	105%	97%	112%	100%
Spike Blank Percent Recovery	82%	87%	101%	92%
Spike Level	5	5	10	5

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: July 1, 1992

Date Submitted: June 25, 1992

Project: 7238 & 7201, Metro Self Monitor, PO #M24970

### RESULTS OF ANALYSES OF THE WATER SAMPLES FOR SELECTED METALS BY ICP (6010) Results Reported as mg/L (ppm)

<u>Sample #</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M24970A Site 7238	1.7	0.31	7.9	1.5
M24970B Site 7201	1.4	0.65	1.6	2.1
<u>Quality Assurance</u>				
Method Blank	<0.03	<0.03	<0.03	<0.03
M24970B Site 7201 (Duplicate)	1.5	0.76	1.7	2.1
M24970B Site 7201 (Matrix Spike) Percent Recovery	104%	95%	110%	100%
M24970B Site 7201 (Matrix Spike Duplicate) Percent Recovery	105%	97%	112%	100%
Spike Blank Percent Recovery	82%	87%	101%	92%
Spike Level	5	5	10	5